Gigabit LAN PCI Adaptor RC400

User Manual

Low Profile 1000/100/10BASE-T Ethernet PCI Host

1. Introduction

This PCI Host Adapter can upgrade your desktop computer to have high-speed networking transfer rate up to 1000 Mbps. It can support Low profile PCI and regular size PCI both. The board provides a 32bit, 33/66 MHz PCI interface and RJ-45 Port fully compliant with IEEE 802.3 (10Base-T Ethernet), IEEE 802.3u (100Base-TX Fast Ethernet), IEEE 802.3z (1000Base-T Gigabit Ethernet) networking.
This adapter supports half/ full duplex feature which can double network speed. 1000BaseT transmites 1000Mbps(Gigabit) over all four pairs of CAT 5 UTP cable, 100BaseTX transmites 100Mbps over two pairs of CAT 5 UTP cable and 10BaseT transmites 10Mbps over CAT 3,4,5 UTP cable.

1.1. Features

1.1.1. PCI Interface

- Compliant with PCI Specification, revision 2.2.
- Integrated PCI DMA engines.
- 32 bit/33MHz and 32 bit/66MHz fully compliant PCI host interface.

1.1.2. GigaBit Ethernet

- Fully compliant with IEEE 802.3 (10Base-T Ethernet), IEEE 802.3u (100Base-TX Fast Ethernet), IEEE 802.3z (1000Base-T Gigabit Ethernet)
- Supports Ethernet 10Mbps (half-duplex), Ethernet 20Mbps (full-duplex), Fast Ethernet 100Mbps (half-duplex), Fast Ethernet 200Mbps (full-duplex), Gigabit 1000Mbps (full-duplex) and Gigabit 2000Mbps (full-duplex)
- RJ-45 Port offer high speed transmission over CAT 5 UTP cable
- LEDs indicator for 10Link/Activity(red), 100Link/Activity(yellow), 1000Link/Activity(green) and Full Duplex(blue)
- Auto-Negotiation with Next page capability
- Supports pair swap/polarity/skew correction
- Crossover Detection & Auto-Correction
- Wake-on-LAN and remote wake-up support

- Microsoft® NDIS5 Checksum Offload (IP, TCP, UDP) and largesend offload support
- Supports Full Duplex flow control (IEEE 802.3x)
- Supports IEEE 802.1Q VLAN tagging
- 8K Transmit FIFO and 64K Receive FIFO support
- Supports power down/link down power saving

1.2. Package Contents

- Gigabit Ethernet PCI card
- This Users Manual

2. Installation

1. Power down the computer system.
2. Insert the PCI board into an available 32bit PCI slot.
3. Power up computer.
4. The applicable device driver will be installed automatically

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